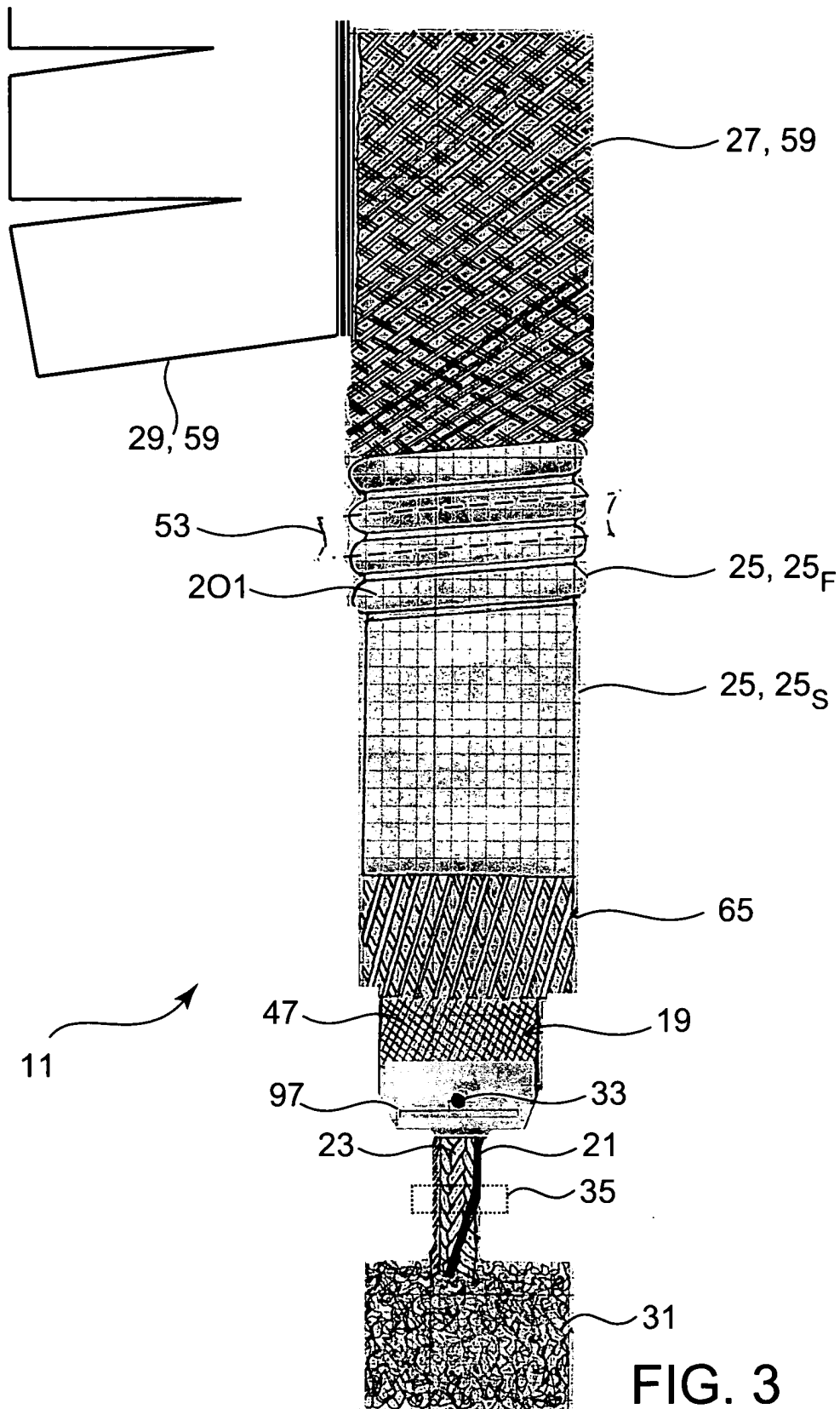


FIG. 2

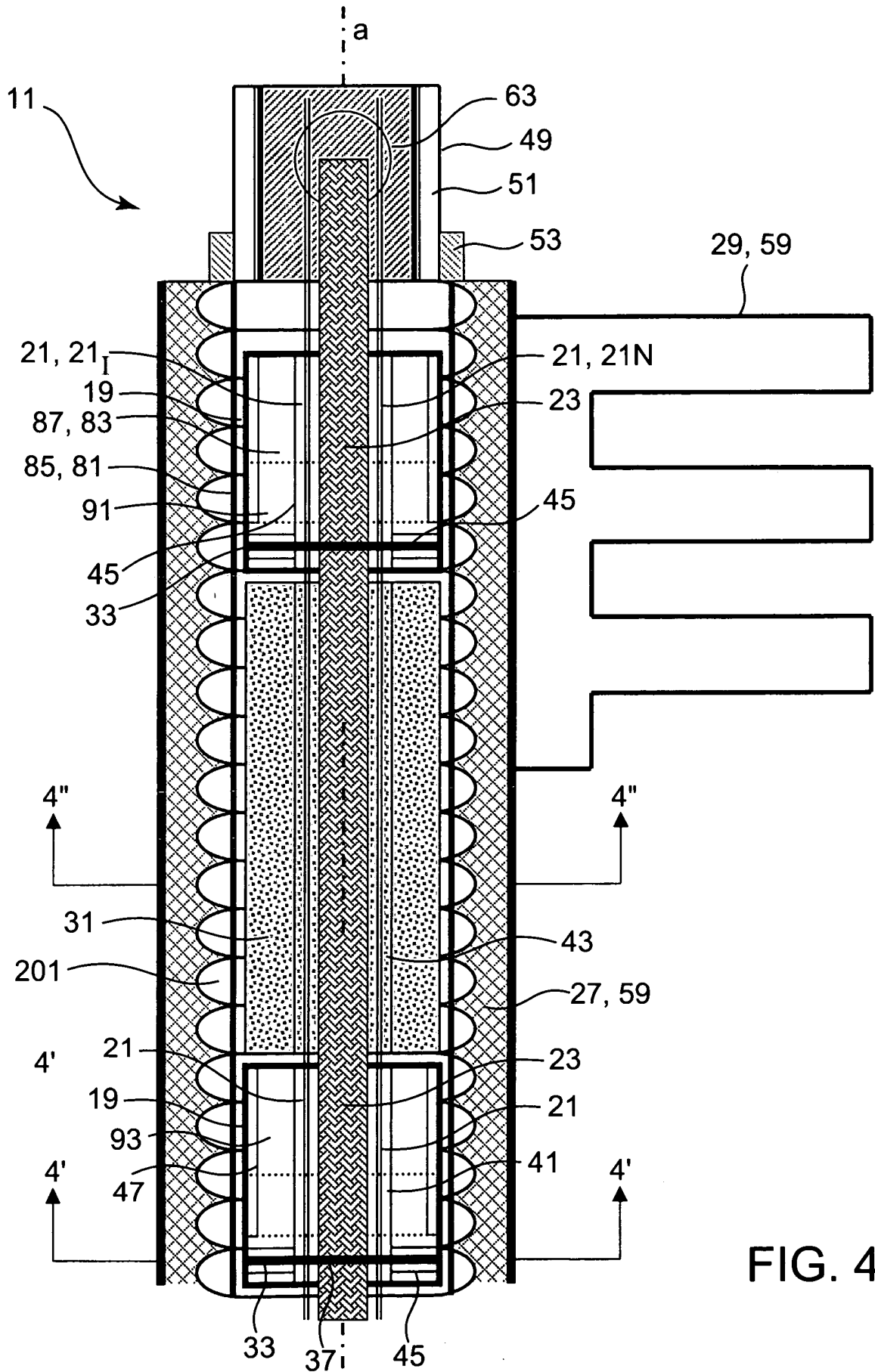


NON-KINKING OIL-FILLED ACOUSTIC SENSOR STAVE

Keith E. Sommer and Henry P. Stottmeister

Navy Case No. 84,633

Sheet 4 of 9



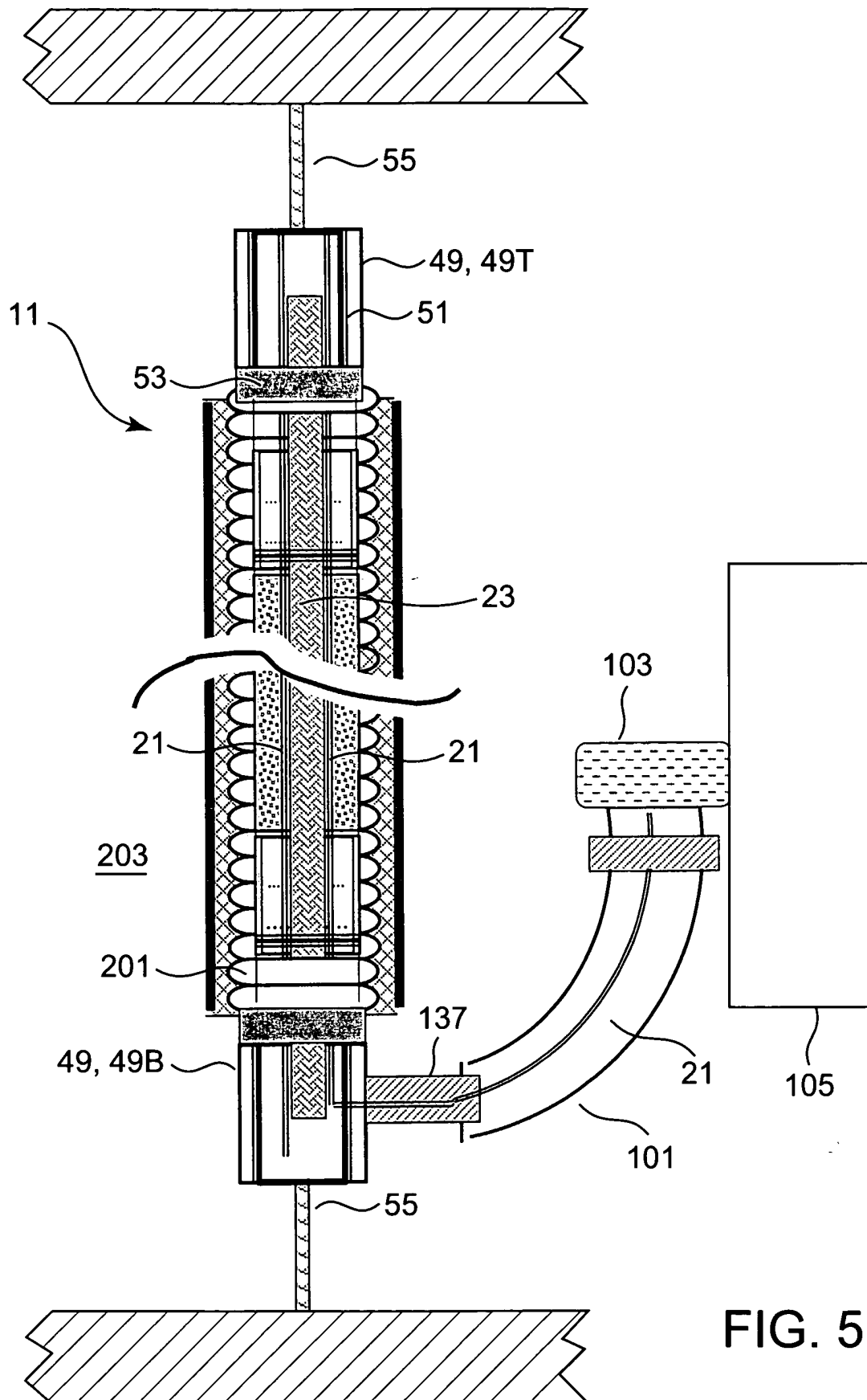


FIG. 5

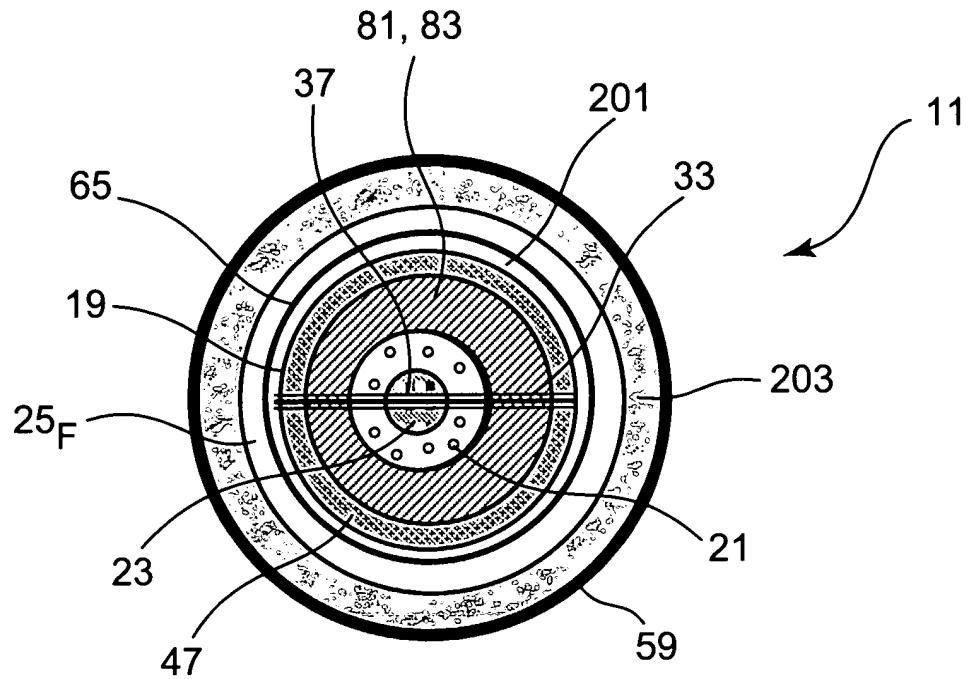


FIG. 6

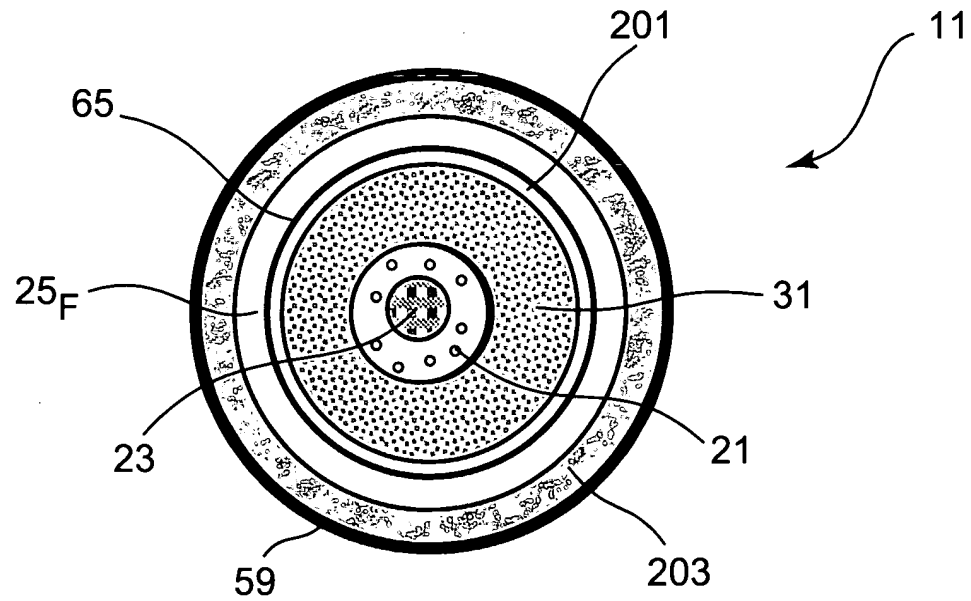


FIG. 7

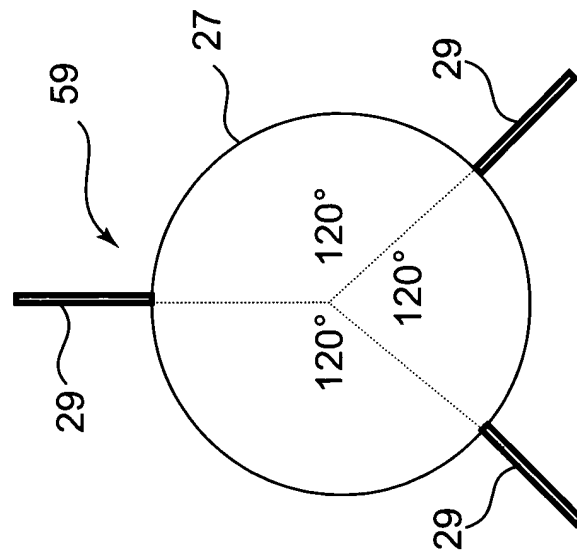


FIG. 8

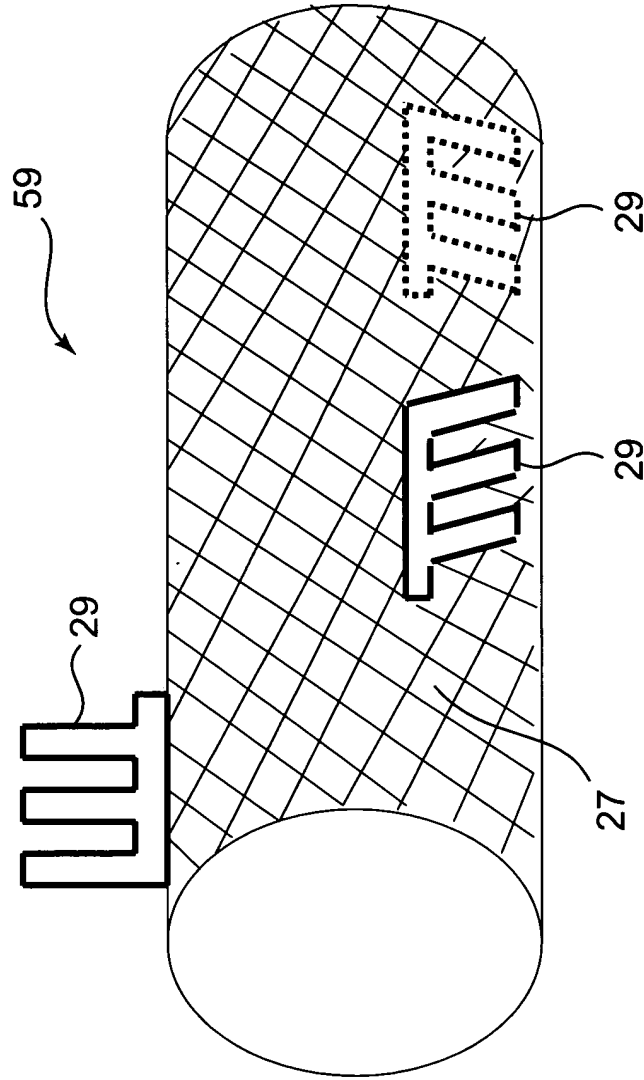


FIG. 9

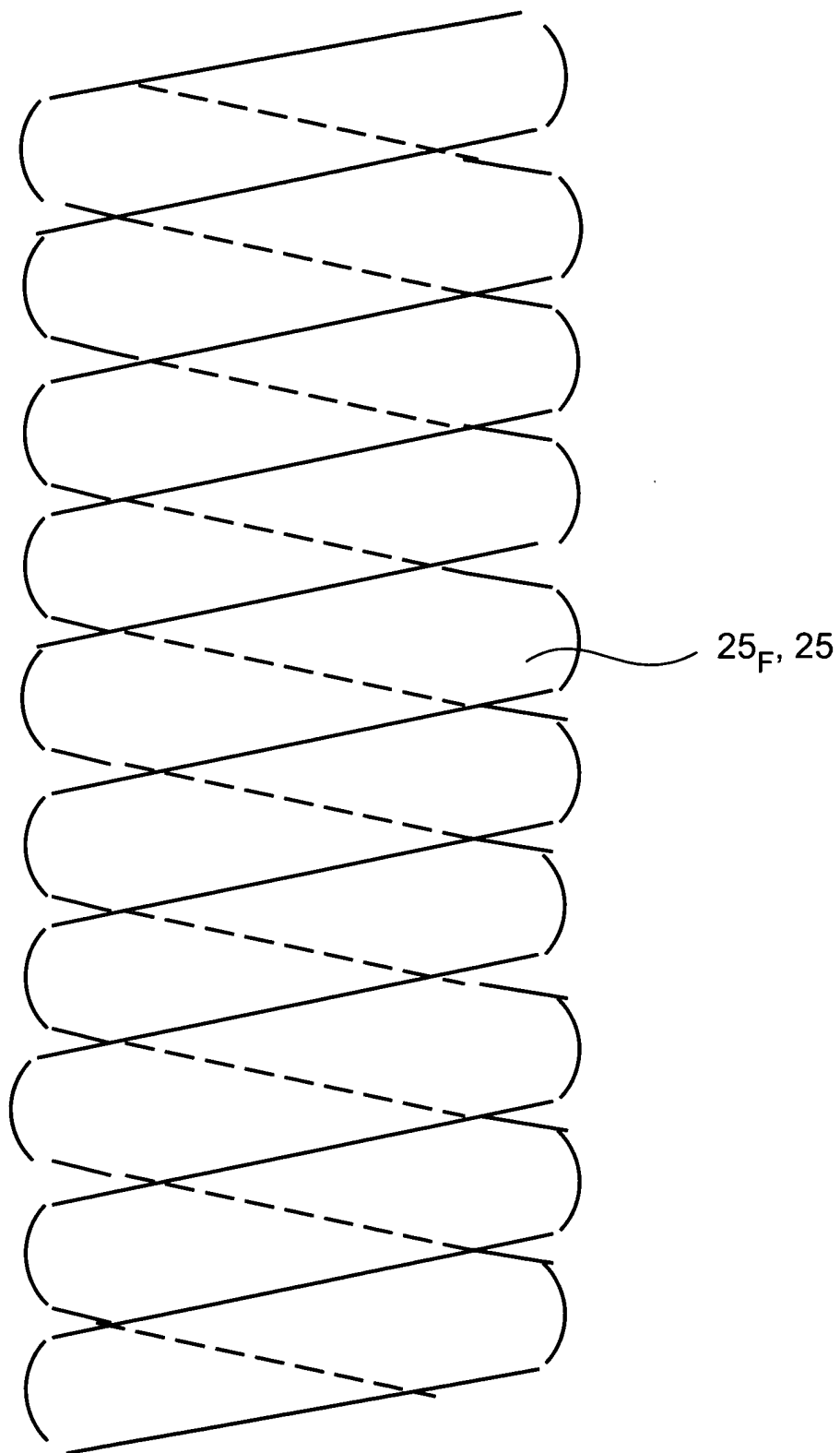


FIG. 10

NON-KINKING OIL-FILLED ACOUSTIC SENSOR STAVE

Keith E. Sommer and Henry P. Stottmeister

Navy Case No. 84,633

Sheet 9 of 9

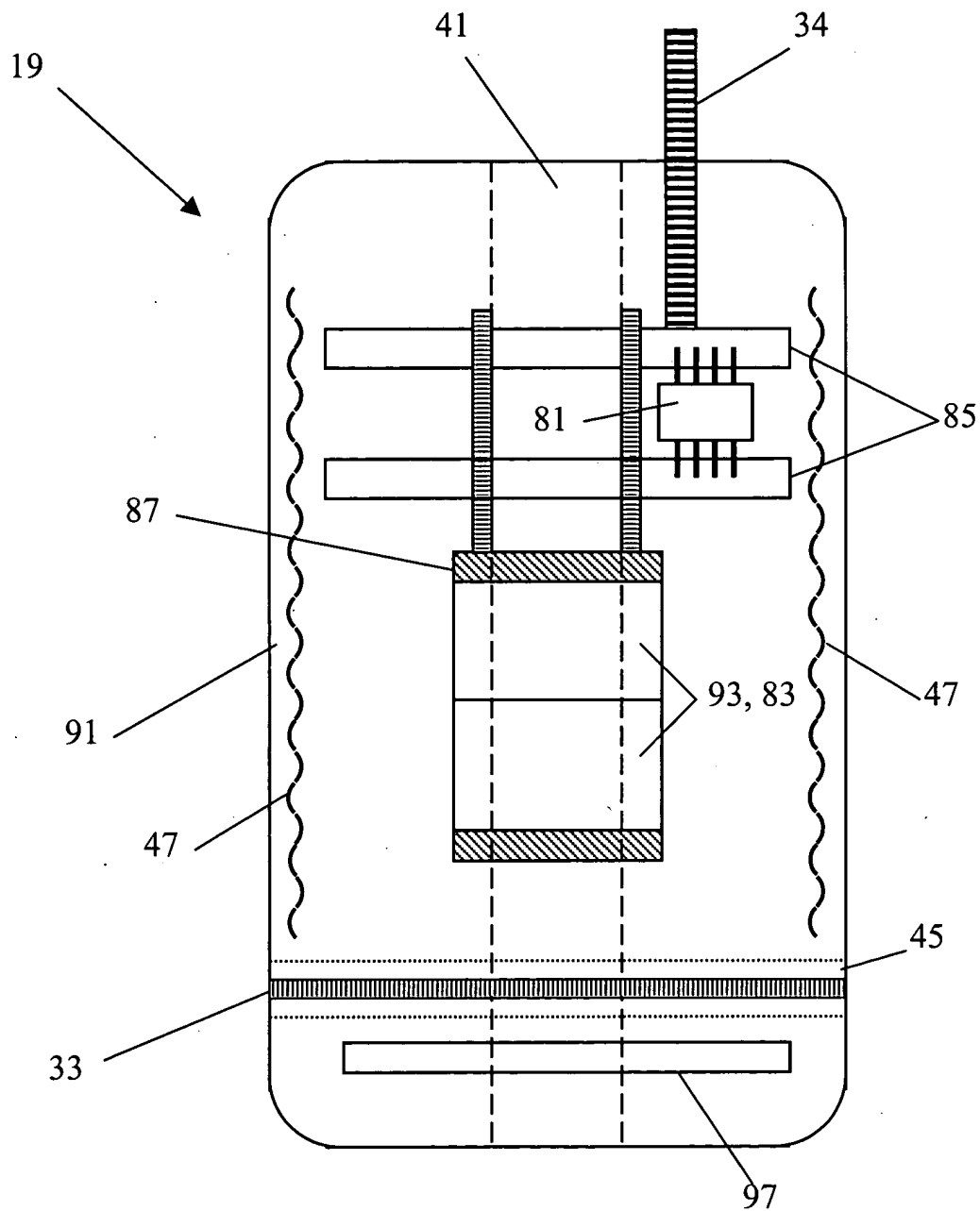


FIG. 11